

09/385,768

13

ABSTRACT OF THE DISCLOSURE

A liquid for producing a marker vapour includes a fluorescent substance in solution in a carrier liquid. The fluorescent substance has a first vaporization temperature range at which the fluorescent substance vaporizes. The carrier liquid has a second vaporization temperature range at which the carrier liquid vaporizes. The second vaporization temperature range overlaps the first vaporization range. The liquid is vaporized and directed into a body being inspected. Leaks then become visible when the body is inspected using radiation of a wavelength that causes the fluorescent substance to fluoresce.